Heating function ： This function is limited by PUMP① ,the heater can be started normally only after PUMP① starting.When turn off the surfing function ,the heater will be turned off at the same time .

Press （ ） to turn on or off the heater .

Bubble bath： Press （ ） to turn on or off the air pump .The air pump will be turned off automatically every 60minutes .

Lamp： Press （ ） to turn on or off the lamp .

Tap： Press （ ） or （ ） to raise or lower the tap .

V.Items For Attention：

1、The system must be erected by qualified technical person and the leakage switch shall be mounted in place of easy control .

2、 It must be connected firmly during erection .In the case of loss due to improper earthling ,the manufacturer will not assume any responsibility .

3、The motor must be erected flatly and stably and the shell shall be firmly earthed .

4、The whole set is usually under standby state. If it is not used for long time, please pull off the master power switch.

5、During erection, it is required to consider load capacity of power supply circuit, otherwise it may influence the normal working of the system or cause accident.

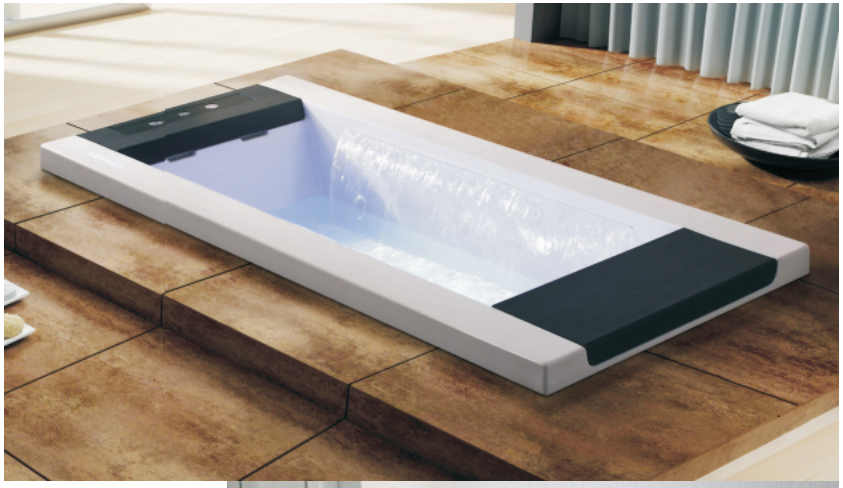
6、During erection, all the electric appliances and electric parts shall be provided with moisture resistant measures.

User' Guide

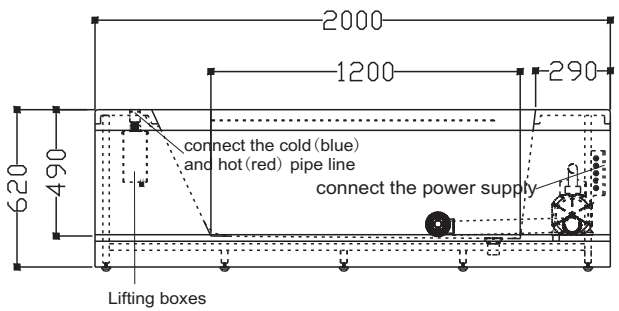
IMPORTANT:
Read this manual before proceeding with installation of the bathtub and keep it with the other accompanying documents.
This manual is valid for the installation of tubs both with and without whirlpool.

MODEL:M-1108A/1108B

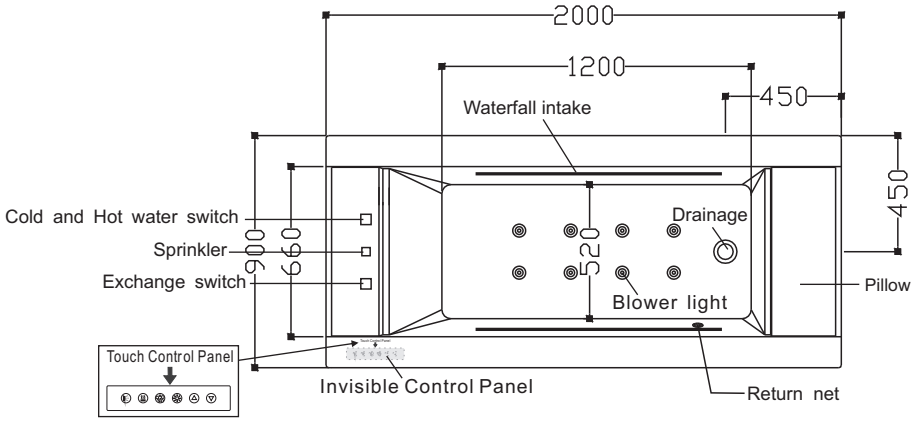
SIZE:2000X900X620mm



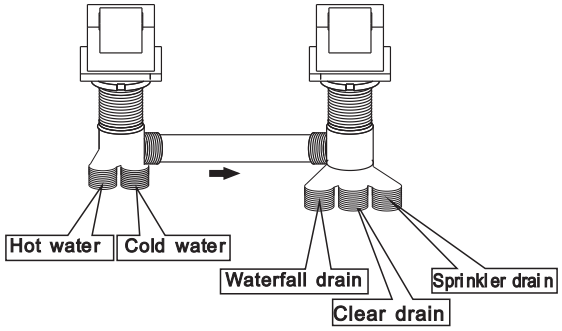
Install the diagram

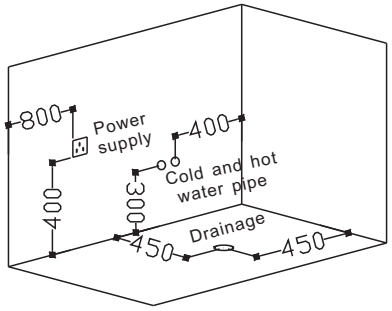


Plane chart

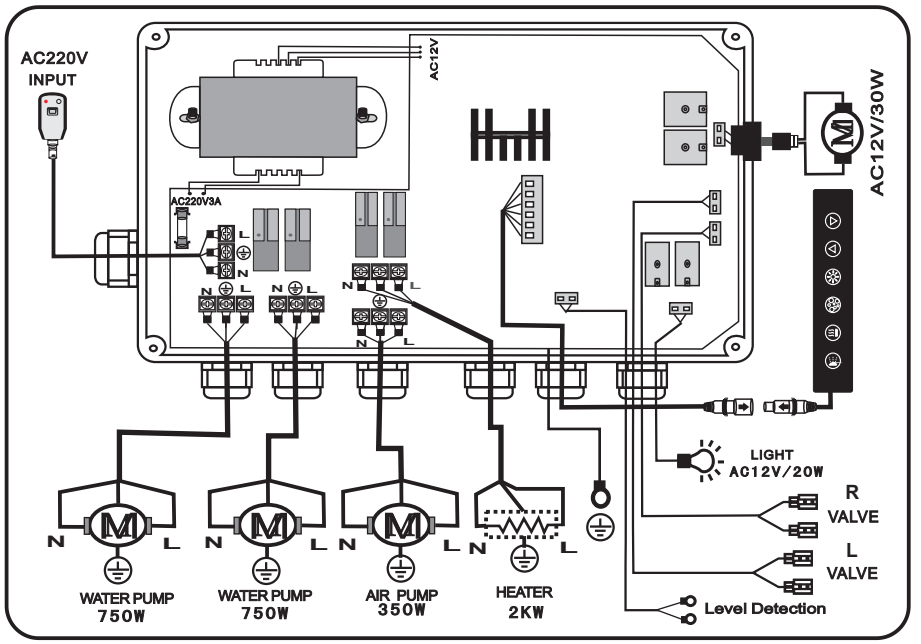


Tap takes over sketch

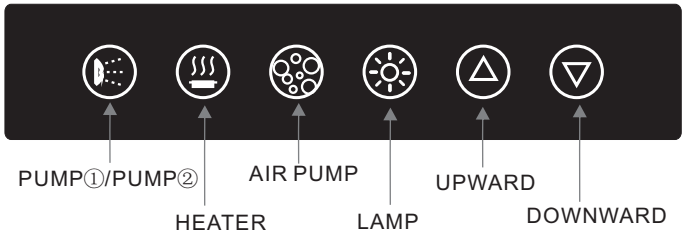




III.CIRCUIT DIAGRAM:



IV.CONTROL PANEL DESCRIPTION:



5.OPERATING INSTRUCTION :

Surfing function ：The water level must meets the standard to launch this function .

Press （ ） ：PUMP① ON → PUMP② ON → PUMP① OFF → PUMP② OFF

Such loop is operated .The pump will be turned off automatically every 60 minutes.

Waterfall：After turn on PUMP①,the water is as big as both sides. 20secs. The left side is bigger than the right side . 20secs. The right side is bigger than the left side. 20secs. As big as both sides.Such loop is operated until PUMP① be turned off

I. Safety Precautions

【Warning】

1. In order to prevent fire or electric shock accident, do not expose the controller to the rain or humid environment. There are dangerous high-tension fittings inside the controller, therefore do not open the cover. Entrust the repairing work only to the qualified professional repairing personnel when repairing is required.
2. Without the clear approval from the controller manufacturer or its authorized units, any change or alternation to this controller might bring various inconveniences to the users when in use.

【Helpful suggestion】

1. In order to prolong the service life of this controller, the time interval for continuously turning on and off the machine must be over 30 seconds.
2. Please switch off the power after use.
3. The power supply used must be consistent with the voltage specified value indicated on this controller; otherwise it will not work, or even burn out the controller.
4. When installing this controller, carefully check if the load parameters are consistent with the parameters required by this controller, otherwise it will not work, or even burn out the controller.
5. If it is halted accidentally, please close and restart.

II. Brief Introduction

1.General Description of Functions

Functions \ Model		WS-01
1	Inducing technology	√
2	Lamp	√
3	Pump	√
4	Blower	√
5	Heater	*
6	Level detection	√

2.SPECIFICATIONS:

1. Power supply : AC220V±10% 50-60Hz
2. Pump load ① : AC220V 750W
3. Pump load ② : AC220V 750W
4. Air pump load : AC220V 350W
5. Heater power : AC220V 2000W
6. Lamp load : AC12V 20W
7. Jacking motor : AC12V 40W
8. Magnetic valve : DC12V 30W
9. Dielectric strength : 1500V/5MA 1min
10. Leak current : <0.25mA
11. Waterproof grade : IPX4

1、Electricity parameter

Rated voltage	Rated power	Rated electric current	Reference circuit voltage
220VAC	950W	<4A	12V

2、Electric installation

2.1 power supply's establishment should be compled with nation security standard, voltage and frequency also shoule be accord withproduct's nameplate.Especially install creepage protect switch and also check whether can connect with ground.
2.2 The wire collected to the massage bathtub should be fitting permanent., and the wire should be a three-core wire, the sectional acreage of each core cannot less than 12A. when wire pass the wall,it should be use bushing for protection until the AC outlet.
2.3 Ground wire of bathtub should be test whether works with house appliance ground wire.
2.4 The wire end of electricity control box should connect to the control panel, water bottom light, loudspeaker, electrical engineering and the detector protection respectively.

3、Water supply device

3.1 This device's hydraulic pressure is 0.2-0.4Mpa.
3.2 The water supply characteristics on the wall: The cold or hot water supplies inside the bathroom also establish in the shelter of the massage tub, use the hose to connect with the cold or hot joint of the tub. the pipe towards is decide by the customer, the machine do not go with the hose.

4、Installation introduction

4.1 Before install, must consider the place of install massage bathtub whether can support this device's pressure.
4.2 Place the massage bathtub on the install position, adjust level to make the drain system smooth.
4.3 Adjust the leg's screw to make sure all of the screw touch ground completely.
4.4 Install the drain hose, and make some measure to against on the connecter.
4.5 Fix cold and hot water-pipe well, then install the showerhead. And then put drain into downcomer, finally connect with power and make sure whether device connected with ground can work.

5、Using Method

5.1 Turn on faucet, adjust water's temperature, add water to the massage bathtub.when the highest water level exceed the highest nozzle about 20-30mm and reach the detector, press the switch button to let the electric machine.
5.2 Revolve the adjust switch ,and choose the proper surf pressure.
5.3 After finishing if should turn off pump at first, then open drain button,when water is all out , please make a clean of bathtub to keep in good.

6、Clean and keep in good condition

6.1 usually use soft cloths and general liquid cleanser can wash away dirt , but forbid to use the cleanser with acetone or the ammon ia composition;when disinfect, forbid to use the disinfector contained the formaldehyde.
6.2 the dirty spot of surface can use the toothpaste to wipe with the soft cloth .
6.3 to the low-grade chafe of the surface or burned by cigarette, can soak in water to whet with 2000# levigation sand paper, then polishing.
6.4 If the electroplate piece contain stain, use the soft cloth to wipe lightly, avoid to wiping with coarse cloth.
6.5 often clean up the backwater net cover, prevent it from stop;

6.6 Check whether have break on pipe and waterway aperiodically.
6.7 Please check whether there is fall off or breakage on wire, switch,connector plugs so that repair in time.
6.8 In order to keep to use in a long term ,please remember, don't use more than 3 hours continuely.

7、Fault eliminate

Fault	Cause	Way
Machine or equipment doesn't work	Voltage unstable	Check circuitry
	Power connector didn't connect well or open circuit	Insert again or change power line
	The windpipe connect air switch fall off or break	Connect again or change
	The air switch failure	Change
Big nose of machine	Power's parameter is not same as nameplate	Connect with supplier
	Fixed screw did'n fix or fall off	Fix tightly again
	Support's leg screw did not touch ground	Adjust
water pipe leak out	Aging	Change
	The joint did not fix well	Fix again
	Water pipe or accessory leak	Change

Remark: except this fault, please according to situation to resolve, or find experienced people to repair.

8、special remind

8.1 please find qualified people to install bathtub according to introduction.
8.2 when you are using it, first of all you have to inject the cold water and then inject the hot water. Don't inject the hot water first.
8.3 bathtub's machine must connect on ground, support must use 1.5mm^{2}yellow/green double wire connect with ground and check whether effective.
8.4 please do not turn on machine without water, before draining should turn off machine.
8.5 children should be looked after in bathtub.
8.6 bathtub's temperature cann't higher than people average temperature, and the best is 32-37centigrade.
8.7 after shower ,please cut off power.
8.8 if have these situation ,please do not enter into massage bathtub.
8.8.1 younger than 4 years old's child;
8.8.2 blood circulation unstabled people;
8.8.3 sot;
8.8.4 suffer from flu;
8.8.5 heart disease;
8.8.6 already have sauna;
8.8.7 after meal in half a hour;
Remark: our company has the right to modify the above mention without further notice.

Bathtub User's Guide

WARNINGS

1. Please follow the instruction contained in the attached installation manual to ensure that the product is installed properly. the manufacturer will not be held liable for damages or injuries caused by improper installation.
2. Follow the instructions contained in this manual when using the product.
3. Before using the bathbub, check the local voltage that if reach to the rated voltage(pre-installation card).

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I. Safety Precautions

II. Brief Introduction

III.CIRCUIT DIAGRAM

IV.CONTROL PANEL DESCRIPTION

V.Items For Attention